

DIGISOL L3-Lite Rack Mount Industrial PoE Switch

DG-IS4628HPSE

Key Features:-

- 24 10/100/1000Mbps PoE + 4 1/10G SFP+
- 6KV lightening protection
- IP40 protection
- Industrial fanless thermal conduction
- Dual DC wide-voltage industrial power input.
- Supports STP/EAPS/ERPS.
- Supports PoE/PoE+ (802.3af / 802.3at)
- PoE budget: 720W
- Node self-healing time<5ms
- Ring network self-healing time <50ms
- Static routing, RIP, OSPF, VRRP
- Supports virtual stacking.
- MTBF : >800,000 hours



Introduction:-

DIGISOL DG-IS4628HPSE supports rich Layer-2/Layer-3 routing and industrial ring network protocols. DG-IS4628HPSE adopts die-casting aluminum housing and standard 19-inch rack-mounted installation, and provides redundant wide-voltage industrial power supplies. With the reliable industrial Ethernet ring technology, its hardware-based algorithm can ensure node self-healing time less than 5 milliseconds, and the ring network self-healing time less than 50 milliseconds (typical value).

DIGISOL DG-IS4628HPSE , with fanless design, low power consumption, wide temperature and wide voltage in compliance with strict industry standards, can adapt to harsh environment requirements for EMC, anti-vibration and shock-proof capabilities, IP40 protection level. It is widely used in energy, transportation, industrial production, environmental protection, military industry.

Technical Specifications:-

Item	DG-IS4628HPSE
Interface	24*10/100/1000Mbps PoE Ports, 4*1/10G SFP+ Ports
Forwarding rate (Mpps with 64 bytes)	96
Chassis	
Dimensions	440x200x4 4
Weight (KG) (empty)	2.2
Package	
Dimensions (WxDxH) (mm)	500x320x80
Weight (KG)	3.1
Power consumption	
No-load	15.5W
Full-load (without PoE)	33.25W
PoE budget	720W
Power supply	Dual DC 48~57V

Technical Specifications:-

Item	DG-IS4628HPSE
Total output BTU (1000BTU/H=293W)	113.48
MTBF (H)	>800,000
Operating temperature	-40~75°C
Operating Humidity	5~95% (non-condensing)
Forwarding mode	Store-forward
Flash (MB)	16
DRAM (MB)	256
MAC	16K
Buffer size (Mb)	12
Jumbo frame	9K
Total SVI	64

MAIN FEATURES:

Item	DG-IS4628HPSE
Standards	IEEE 802.1 Working Group
	IEEE 802.3 Working Group
	IEEE 802.3 10BASE-T
	IEEE 802.3u 100BASE-TX
	IEEE 802.3z Gigabit 1000BASE-SX/LX
	IEEE 802.3ab Gigabit 1000BASE-T
	IEEE 802.3ae 10Gb/s Ethernet
	IEEE 802.3af PoE, IEEE 802.3at PoE+
	IEEE 802.3x flow control and backpressure
	IEEE 802.3ad port trunk with LACP
	IEEE 802.1D Spanning Tree Protocol
	IEEE 802.1w Rapid Spanning Tree Protocol
	IEEE 802.1s Multiple Spanning Tree Protocol
	IEEE 802.1p Class of Service
	IEEE 802.1Q VLAN tagging
	IEEE 802.1ad Q-in-Q
	IEEE 802.1X port authentication network control
	IEEE 802.1ab LLDP and LLDP-MED
	IEEE 802.3ah OAM
	IEEE 802.3az EEE (Energy Efficient Ethernet)
	RFC 768 UDP, RFC 793 TFTP, RFC 791 IP, RFC 792 ICMP, RFC 2068 HTTP
	RFC 1112 IGMP v1, RFC 2236 IGMP v2, RFC 3376 IGMP v3
	RFC 2710 MLD v1, RFC 2328 OSPF v2, RFC 1058 RIP v1, RFC 2453 RIP v2
	ITU-T G.8032 ERPS
Management	CLI: Console, Telnet, SSHv1/2
	Web-GUI: HTTP, HTTPS/SSL
	SNMP v1/v2c/v3, RMON, SNMP alarm/inform/traps
	MIB-I, MIB-II

Technical Specifications:-

Item	DG-IS4628HPSE
	Upload and download of FTP/TFTP files
	Debugging
	Syslog for alarm/notification/command/debug
	NTP-4
	SPAN, RSPAN (1:1 and N:1 port mirror)
	LLDP, LLDP-MED
	ZTP (Zero Touch Provisioning)
	Optical DDM
	Ethernet cable diagnosis
MAC switching	Static configuration and dynamic MAC learning(16K)
	MAC browsing and removal
	Configurable aging time of the MAC address
	Limited number of learnable MAC addresses
	MAC filtration
	Black-hole MAC list
VLAN	4K VLAN IDs, 4094 active VLAN, 64 SVI
	GVRP
	1:1 and N:1 VLAN Mapping
	QinQ and selective QinQ
	Private VLAN, Voice-VLAN, Port-based VLAN, MAC-based VLAN, Protocol-based VLAN
STP	802.1d STP, 802.1w RSTP, 802.1s MSTP
	BPDU protection, root protection and ring protection
	L2PT for BPDU
Multicast	IGMP v1/v2/v3(1024 groups)
	IGMP Snooping, IGMP Fast Leave
	Multicast group policy and multicast number limit
	Multicast filtering, MVR
	Support for transparent passing of multicast traffic without IGMP snooping in certain port and VLAN
IPv4	Static routing, RIP, OSPF, VRRP
Reliability	Static and LACP link aggregation, 64 groups, up to 8 ports in one group
	Load-balance based src-MAC/ src-IP/dst-MAC/dst-IP/src-port/ dst-port and any combination
	EAPS, ERPS (recovery time ≤50ms)
	ERPS revertive and non-revertive operation mode
	ISSU
IPv6	Loopback-detection
	ICMPv6, DHCPv6, ACLv6, IPv6 Telnet, IPv6 QoS
	IPv6 Neighbor Discovery
	Path MTU Discovery
	MLD Snooping
DHCP	RIPng, OSPFv3
	DHCP Server, Client, Relay, Snooping
QoS	Traffic classification of port/L2~4 protocol headers/VLAN/CoS/ DSCP
	CAR traffic control

Technical Specifications:-

Item	DG-IS4628HPSE
	802.1P/DSCP priority mapping and remark
	Multiple queuing algorithms such as SP, WRR or SP+WRR
	Tail-Drop, WRED
	Traffic supervision and traffic shaping
	8 queues per port
	Rat e-limit based on MAC/IP/COS/ DSCP/TOS/EXP/any
Security	L2~L4 ingress/egress ACL (895 IPv4 FP, 384 IPv6 FP)
	Anti-DOS/IP spoofing/TCP/ping/ SYN/ICMP flood attacks
	CPU protection
	Broadcast/multicast/unknown-unicast storm-control
	Port isolation
	Port Security, MAC address limitation, IP+MAC+port binding
	DHCP Snooping, DHCP Option 82
	DAI(Dynamic ARP Inspection)
	IPSG(IP Source Guard)
	PPPoE-IA(including hostname/ port/vlan/switch-MAC/client-MAC/user-defined circuit-ID and client-MAC/switch-MAC/ user-defined remote-ID)
	IEEE 802.1x authentication
	MAC-based authentication
	AAA
	Radius, TACACS+
	Multiple user privileges

Rear View :



Ordering Information:-

DG-IS4628HPSE : DIGISOL 24-port Gigabit PoE+ 4-port 10G SFP+ Managed L3-Lite Industrial Switch. Supports dual industrial DC power supply (48~57V), 19-inch rack-mount installation.

*Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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